

PAGE: 1

**RAW SEQUENCE LISTING
PATENT APPLICATION US/09/119,209**DATE: 07/24/98
TIME: 16:15:21**INPUT SET: S27686.raw**

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

ENTERED1
2
3 (1) General Information:
4
5 (i) APPLICANT: LASKY, LAURENCE A.
6 STACHELL, SCOTT E.
7 ROSEN, STEVEN D.
8 SINGER, MARK S.
9 YEDNOCK, TED A.
10
11 (ii) TITLE OF INVENTION: LYMPHOCYTE HOMING RECEPTORS
12
13 (iii) NUMBER OF SEQUENCES: 6
14
15 (iv) CORRESPONDENCE ADDRESS:
16 (A) ADDRESSEE: Genentech, Inc.
17 (B) STREET: 1 DNA Way
18 (C) CITY: South San Francisco
19 (D) STATE: California
20 (E) COUNTRY: USA
21 (F) ZIP: 94080
22
23 (v) COMPUTER READABLE FORM:
24 (A) MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
25 (B) COMPUTER: IBM PC compatible
26 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
27 (D) SOFTWARE: WinPatin (Genentech)
28
29 (vi) CURRENT APPLICATION DATA:
30 (A) APPLICATION NUMBER:
31 (B) FILING DATE: 20-Jul-1998
32 (C) CLASSIFICATION:
33
34 (vii) PRIOR APPLICATION DATA:
35 (A) APPLICATION NUMBER: 08/513278
36 (B) FILING DATE: 10-AUG-1995
37
38 (vii) PRIOR APPLICATION DATA:
39 (A) APPLICATION NUMBER: 08/059027
40 (B) FILING DATE: 6-MAY-1993
41
42 (vii) PRIOR APPLICATION DATA:
43 (A) APPLICATION NUMBER: 07/786149
44 (B) FILING DATE: 31-OCT-1991
45
46 (vii) PRIOR APPLICATION DATA:

RECEIVED
98 NOV 18 AM 11:45
GROUP 180

**RAW SEQUENCE LISTING
PATENT APPLICATION US/09/119,209**DATE: 07/24/98
TIME: 16:15:23**INPUT SET: S27686.raw**

47 (A) APPLICATION NUMBER: 07/315015
48 (B) FILING DATE: 23-FEB-1989
49
50 (viii) ATTORNEY/AGENT INFORMATION:
51 (A) NAME: Love, Richard B.
52 (B) REGISTRATION NUMBER: 34,659
53 (C) REFERENCE/DOCKET NUMBER: P0565D1C3
54
55 (ix) TELECOMMUNICATION INFORMATION:
56 (A) TELEPHONE: 650/225-5530
57 (B) TELEFAX: 650/952-9881
58 (2) INFORMATION FOR SEQ ID NO:1:
59
60 (i) SEQUENCE CHARACTERISTICS:
61 (A) LENGTH: 2259 base pairs
62 (B) TYPE: Nucleic Acid
63 (C) STRANDEDNESS: Single
64 (D) TOPOLOGY: Linear
65
66 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
67
68
69 GAATTCCAGT GTGCTGGCTT CCTCACCTGC AGCACAGCAC ACTCCCTTG 50
70
71 GCAAGGACCT GAGACCCTTG TGCTAAGTCA AGAGGCTCAA TGGGCTGCAG 100
72
73 AAGAACTAGA GAAGGACCAA GCAAAGCCAT GATATTCCA TGGAAATGTC 150
74
75 AGAGCACCCA GAGGGACTTA TGGAACATCT TCAAGTTGTG GGGGTGGACA 200
76
77 ATGCTCTGTT GTGATTCCT GGCACATCAT GGAACCTACT GCTGGACTTA 250
78
79 CCATTATTCT GAAAAACCCA TGAACGGCA AAGGGCTAGA AGATTCTGCC 300
80
81 GAGACAATTA CACAGATTAA GTGCCATAC AAAACAAGGC GGAAATTGAG 350
82
83 TATCTGGAGA AGACTCTGCC CTTCAGTCGT TCTTACTACT GGATAGGAAT 400
84
85 CCGGAAGATA GGAGGAATAT GGACGTGGGT GGGAACCAAC AAATCTCTCA 450
86
87 CTGAAGAACGC AGAGAACTGG GGAGATGGTG AGCCCAACAA CAAGAAGAAC 500
88
89 AAGGAGGACT GCGTGGAGAT CTATATCAAG AGAAACAAAG ATGCAGGCAA 550
90
91 ATGGAACGAT GACGCCCTGCC ACAAACTAAA GGCAGCCCTC TGTTACACAG 600
92
93 CTTCTTGCCA GCCCTGGTCA TGCAGTGGCC ATGGAGAATG TGTAGAAATC 650
94
95 ATCAAATAATC ACACCTGCAA CTGTGATGTG GGGTACTATG GGCCCCAGTG 700
96
97 TCAGCTTGTG ATTCAAGTGTG AGCCTTTGGA GGCCCCAGAG CTGGGTACCA 750
98
99 TGGACTGTAC TCACCCCTTT GGAAACTTCA GCTTCAGCTC ACAGTGTGCC 800

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/119,209DATE: 07/24/98
TIME: 16:15:24

INPUT SET: S27686.raw

100 TTCAGCTGCT CTGAAGAAC AAACCTAACT GGGATTGAAG AAACCACCTG 850
101
102 TGGACCATTG GGAAACTGGT CATCTCCAGA ACCAACCTGT CAAGTGATTC 900
103
104 AGTGTGAGCC TCTATCAGCA CCAGATTGG GGATCATGAA CTGTAGCCAT 950
105
106 CCCCTGGCCA GCTTCAGCTT TACCTCTGCA TGTACCTTCAGA TCTGCTCAGA 1000
107
108 AGGAACGTGAG TTAATTGGGA AGAAGAAAAC CATTGTGAA TCATCTGGAA 1050
109
110 TCTGGTCAAA TCCTAGTCCA ATATGTCAAA AATTGGACAA AAGTTTCTCA 1100
111
112 ATGATTAAGG AGGGTGATTA TAACCCCCCTC TTCAATTCCAG TGGCAGTCAT 1150
113
114 GGTTACTGCA TTCTCTGGGT TGGCATTAT CATTGGCTG GCAAGGAGAT 1200
115
116 TAAAAAAAGG CAAGAAATCC AAGAGAAGTA TGAATGACCC ATATTAAATC 1250
117
118 GCCCTTGGTG AAAGAAAATT CTTGGAATAC TAAAATCAT GAGATCCTTT 1300
119
120 AAATCCTTCC ATGAAACGTT TTGTGTGGTG GCACCTCCTA CGTCAAACAT 1350
121
122 GAAGTGTGTT CCTTCAGTGC ATCTGGGAAG ATTTCTACCC GACCAACAGT 1400
123
124 TCCTTCAGCT TCCATTCGC CCCTCATTAA TCCCTCAACC CCCAGCCCAC 1450
125
126 AGGTGTTTAT ACAGCTCAGC TTTTGTCCTT TTCTGAGGAG AAACAAATAA 1500
127
128 GACCATAAGG GAAAGGATTC ATGTGGAATA TAAAGATGGC TGACTTTGCT 1550
129
130 CTTTCTTGAC TCTTGTTCAGTCAATT CAGTGCTGTA CTTGATGACA 1600
131
132 GACACTTCTA AATGAAGTGC AAATTTGATA CATATGTGAA TATGGACTCA 1650
133
134 GTTTCTTGC AGATCAAATT TCACGTCGTC TTCTGTATAC TGTGGAGGTA 1700
135
136 CACTCTTATA GAAAGTTCAA AAAGTCTACG CTCTCCTTTC TTTCTAACTC 1750
137
138 CAGTGAAGTA ATGGGGTCCT GCTCAAGTTG AAAGAGTCCT ATTTGCACTG 1800
139
140 TAGCCTCGCC GTCTGTGAAT TGGACCATCC TATTTAACTG GCTTCAGGCC 1850
141
142 TCCCCACCTT CTTCAGCCAC CTCTCTTTT CAGTTGGCTG ACTTCCACAC 1900
143
144 CTAGCATCTC ATGACTGCCA AGCAAAAGGA GAGAACAGAG AAATAGCCTG 1950
145
146 CGCGGTTTT TAGTTGGGG GTTTGCTGT TTCTTTTAT GAGACCCATT 2000
147
148 CCTATTTCTT ATAGTCAATG TTTCTTTTAT CACGATATTA TTAGTAAGAA 2050
149
150 AACATCACTG AAATGCTAGC TGCAAGTGAC ATCTCTTGA TGTCATATGG 2100
151
152

**RAW SEQUENCE LISTING
PATENT APPLICATION US/09/119,209**DATE: 07/24/98
TIME: 16:15:26**INPUT SET: S27686.raw**

153 AAGAGTTAAA ACAGGTGGAG AAATTCCCTTG ATTACACAATG AAATGCTCTC 2150
154
155 CTTTCCCCTG CCCCCAGAAC TTTTATCCAC TTACCTAGAT TCTACATATT 2200
156
157 CTTTAAATTT CATCTCAGGC CTCCCTCAAC CCCACGGGGC CGCCAGCACA 2250
158
159 CTGGAATTC 2259
160
161 (2) INFORMATION FOR SEQ ID NO:2:
162
163 (i) SEQUENCE CHARACTERISTICS:
164 (A) LENGTH: 372 amino acids
165 (B) TYPE: Amino Acid
166 (D) TOPOLOGY: Linear
167
168 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
169
170 Met Ile Phe Pro Trp Lys Cys Gln Ser Thr Gln Arg Asp Leu Trp
171 1 5 10 15
172
173 Asn Ile Phe Lys Leu Trp Gly Trp Thr Met Leu Cys Cys Asp Phe
174 20 25 30
175
176 Leu Ala His His Gly Thr Tyr Cys Trp Thr Tyr His Tyr Ser Glu
177 35 40 45
178
179 Lys Pro Met Asn Trp Gln Arg Ala Arg Arg Phe Cys Arg Asp Asn
180 50 55 60
181
182 Tyr Thr Asp Leu Val Ala Ile Gln Asn Lys Ala Glu Ile Glu Tyr
183 65 70 75
184
185 Leu Glu Lys Thr Leu Pro Phe Ser Arg Ser Tyr Tyr Trp Ile Gly
186 80 85 90
187
188 Ile Arg Lys Ile Gly Gly Ile Trp Thr Trp Val Gly Thr Asn Lys
189 95 100 105
190
191 Ser Leu Thr Glu Glu Ala Glu Asn Trp Gly Asp Gly Glu Pro Asn
192 110 115 120
193
194 Asn Lys Lys Asn Lys Glu Asp Cys Val Glu Ile Tyr Ile Lys Arg
195 125 130 135
196
197 Asn Lys Asp Ala Gly Lys Trp Asn Asp Asp Ala Cys His Lys Leu
198 140 145 150
199
200 Lys Ala Ala Leu Cys Tyr Thr Ala Ser Cys Gln Pro Trp Ser Cys
201 155 160 165
202
203 Ser Gly His Gly Glu Cys Val Glu Ile Ile Asn Asn His Thr Cys
204 170 175 180
205

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/119,209DATE: 07/24/98
TIME: 16:15:27

INPUT SET: S27686.raw

206 Asn Cys Asp Val Gly Tyr Tyr Gly Pro Gln Cys Gln Leu Val Ile
207 185 190 195
208
209 Gln Cys Glu Pro Leu Glu Ala Pro Glu Leu Gly Thr Met Asp Cys
210 200 205 210
211
212 Thr His Pro Phe Gly Asn Phe Ser Phe Ser Ser Gln Cys Ala Phe
213 215 220 225
214
215 Ser Cys Ser Glu Gly Thr Asn Leu Thr Gly Ile Glu Glu Thr Thr
216 230 235 240
217
218 Cys Gly Pro Phe Gly Asn Trp Ser Ser Pro Glu Pro Thr Cys Gln
219 245 250 255
220
221 Val Ile Gln Cys Glu Pro Leu Ser Ala Pro Asp Leu Gly Ile Met
222 260 265 270
223
224 Asn Cys Ser His Pro Leu Ala Ser Phe Ser Phe Thr Ser Ala Cys
225 275 280 285
226
227 Thr Phe Ile Cys Ser Glu Gly Thr Glu Leu Ile Gly Lys Lys Lys
228 290 295 300
229
230 Thr Ile Cys Glu Ser Ser Gly Ile Trp Ser Asn Pro Ser Pro Ile
231 305 310 315
232
233 Cys Gln Lys Leu Asp Lys Ser Phe Ser Met Ile Lys Glu Gly Asp
234 320 325 330
235
236 Tyr Asn Pro Leu Phe Ile Pro Val Ala Val Met Val Thr Ala Phe
237 335 340 345
238
239 Ser Gly Leu Ala Phe Ile Ile Trp Leu Ala Arg Arg Leu Lys Lys
240 350 355 360
241
242 Gly Lys Lys Ser Lys Arg Ser Met Asn Asp Pro Tyr
243 365 370 372
244
245 (2) INFORMATION FOR SEQ ID NO:3:
246
247 (i) SEQUENCE CHARACTERISTICS:
248 (A) LENGTH: 2214 base pairs
249 (B) TYPE: Nucleic Acid
250 (C) STRANDEDNESS: Single
251 (D) TOPOLOGY: Linear
252
253 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
254
255
256 GAATTCTCGA GCTCGTCGAC CACGCCCTCC TTGTGCAAGA ACTCTGAGCC 50
257
258 CCAGGTGCAG GAGGCTGAGG CCTGCAGAGA GACTTGCAGA GAGACCCAGC 100

PAGE: 1

**SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/09/119,209**

DATE: 07/24/98
TIME: 16:15:30

INPUT SET: S27686.raw

Line

Error

Original Text